

## **ABSTRACT**

The invention relates to a method for optimizing the refueling of rail vehicle's, rate and dependents of a very acrid fuel consumption measurement of the internal  
5 combustion engine the instantaneous fuel consumption is determined and supplied to a main computer, that also a total consumption is computed from which the fill level of the tank is determined, that the main computer in the rail vehicle is connected via a GSM system or similar systems to a master computer and that furthermore the signals of a GPS system or of similar systems are supplied to the main computer of the rail vehicle  
10 to determine the location of the rail vehicle. This has the essential advantage that they actual fuel consumption and the total consumption of a rail vehicle over a certain time period can be determined at an arbitrary location of the rail network and influenced accordingly.